

ABSTRACT OF THE DISCLOSURE

A method of forming a color filter layer includes forming a first sub-color filter on a substrate by placing a first mold having at least a first groove on the substrate and injecting a first color resin into the first groove, the substrate including first, second and third regions and the first groove corresponding to the first region; forming a second sub-color filter on the substrate by placing a second mold having at least a second groove on the substrate and injecting a second color resin into the second groove, the second groove corresponding to the first and second regions; and forming a third sub-color filter on the substrate by placing a third mold having at least a third groove on the substrate and injecting a third color resin into the third groove, the third groove corresponding to the first, second and third regions.